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Jameco Part Number 132628

PICProto-Dual Prototyping Board with *PICBus*™

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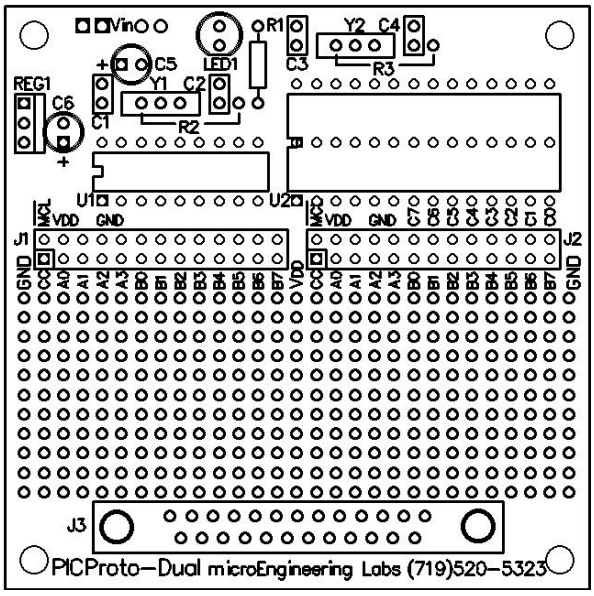
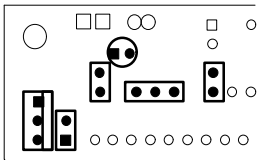
- High quality double-sided board
- Solder mask both sides
- More than 400 plated-through holes
- 4 mounting holes
- Overall dimensions 3" X 3"



U1 - PIC16C52,54,56,58,55x, 61,62x,71x,84,F83 or 84
U2 - PIC16C55 or 57
Y1, 2 - crystals or ceramic resonators
C1-4 - crystal capacitors
C5 - input capacitor
C6 - bypass capacitor
REG1 - 5 volt regulator
LED1 - LED
R1 - LED series resistor
R2, 3 - RC oscillator resistors
J1, 2 - PICBus* I/O connectors
J3 - DB9, 15, or 25

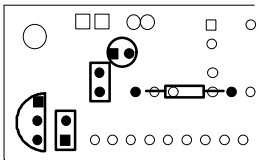
Vdd - plus 5 volt buss
GND - ground buss

Parts Placement:



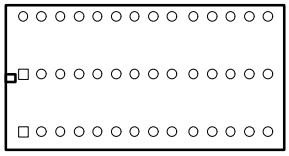
Crystal or Ceramic Resonator
Y1, 2 = DC - 20MHZ
C1-4 = 5 - 22pf

TO-220 Regulator
REG1 = 7805T
C5 = .1 - 10uf
C6 = .01 - .1uf

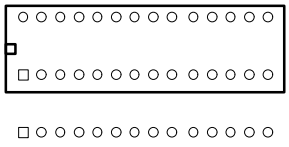


RC Oscillator
5k ≤ R ≤ 100K
C1, 3 ≥ 20pf
C2, 4 = none

TO-92 Regulator
REG1 = 78L05
C5 = .1 - 10uf
C6 = .01 - .1uf



U2 - 16C55 or 57 wide (.600)



U2 - 16C55 or 57 skinny (.300)

PICBus*:

PICBus* is a standardized bus for use with any 18- or 28-pin PICmicro.

RTCC	□ ○	○	MCLR
RA0	○ ○	○	VDD
RA1	○ ○	○	KEY
RA2	○ ○	○	GND
RA3	○ ○	○	GND
RB0	○ ○	○	RC7
RB1	○ ○	○	RC6
RB2	○ ○	○	RC5
RB3	○ ○	○	RC4
RB4	○ ○	○	RC3
RB5	○ ○	○	RC2
RB6	○ ○	○	RC1
RB7	○ ○	○	RC0

Notes:

KEY should be cut off on 26-pin header and plugged on 26-pin socket.

RC0-7 are no-connects for 18-pin PICmicros.

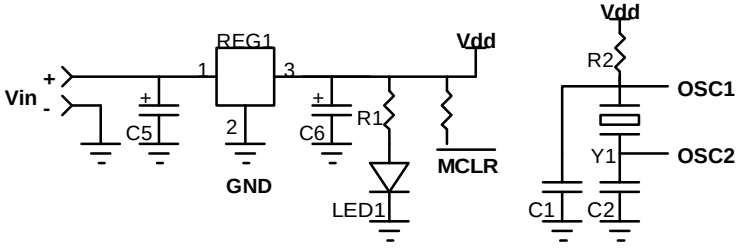
*PICBus is a trademark of microEngineering Labs, Inc.

Assembly Notes:

Pin 1 of U1 and U2 is marked with a square pad.
Note polarity of Vin, REG1, LED1 and any polarized capacitors.

Don't forget to pull-up Master Clear to Vdd.
All unused inputs should be tied to Vdd or ground.

Schematic:



Sources:

PICmicro documentation is available from:
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2355 West Chandler Blvd.
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